

Product datasheet for **TA349064**

Mitofusin 2 (MFN2) Rabbit Polyclonal Antibody

Product data:

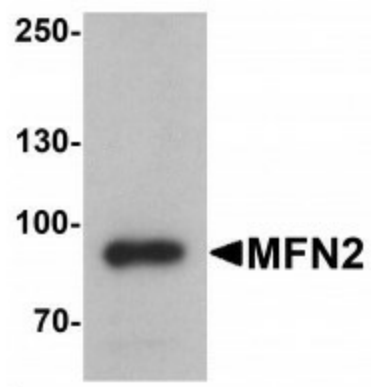
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IHC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	MFN2 antibody was raised against a 17 amino acid peptide near the center of human MFN2. The immunogen is located within amino acids 250 - 300 of MFN2.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	MFN2 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 83 kDa; Observed: 90 kDa
Gene Name:	mitofusin 2
Database Link:	NP_055689 Entrez Gene 64476 Rat Entrez Gene 170731 Mouse Entrez Gene 9927 Human O95140
Background:	Mitofusin 2 (MFN2) and the related protein MFN1 are mitochondrial membrane GTPase proteins that play a central role in mitochondrial metabolism and may be associated with obesity and/or apoptosis processes (1,2). MFN2 is ubiquitously expressed, and found in both the ER and outer mitochondrial membrane. MFN2 has two key domains: a coiled coil region that mediates MFN2 binding and a GTPase domain that likely plays a role in fusion (3,4). Both domains are essential for embryonic development and may play a role in the pathobiology of obesity. Overexpression of MFN2 causes mitochondrial dysfunction and cell death (5).
Synonyms:	ARF-GEP100; ARFGEP100; BRAG2; GEP100



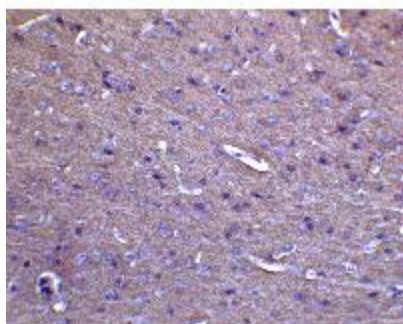
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Protein Families: Transmembrane

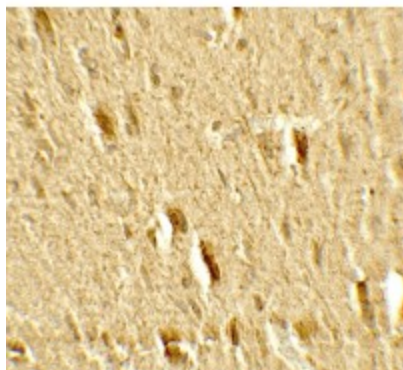
Product images:



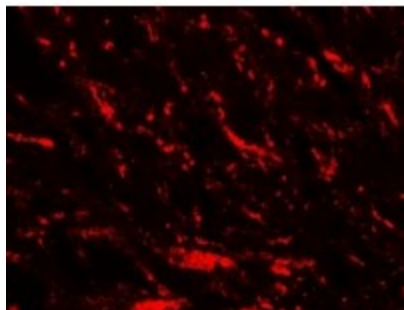
Western blot analysis of MFN2 in human brain tissue lysate with MFN2 antibody at 1ug/ml.



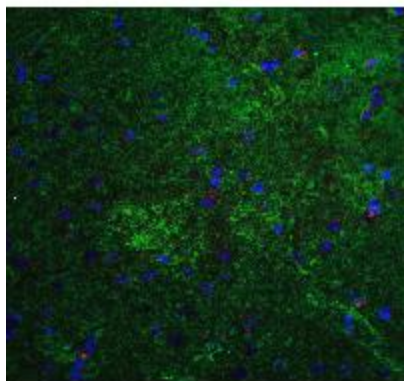
Immunohistochemistry of MFN2 in mouse brain tissue with MFN2 antibody at 5ug/ml.



Immunohistochemistry of MFN2 in rat brain tissue with MFN2 antibody at 5ug/ml.



Immunofluorescence of MFN2 in rat brain tissue with MFN2 antibody at 20ug/ml.



Immunofluorescence of MFN2 in mouse brain tissue with MFN2 antibody at 20ug/ml.